

## Class I, HEXAPODA.

## ORDER XI, ORTHOPTERA.

## A NEW BACUNCULUS FROM INDIANA.

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**Bacunculus blatchleyi**, new species.

Body moderately slender, noticeably heavier than that of *B. tenuescens*. Head smooth, subquadrate, in neither sex so strongly swollen anteriorly as in *B. tenuescens* and no more than twice as long as broad; attached subhorizontally to the pronotum. Pronotum about one fifth as long as the mesonotum, which is a little longer than the metanotum, the moderately distinct intermediary segment included. Abdomen of the male scarcely inflated apically, the seventh and eighth segments subequal in length, each a little shorter than the ninth. Supra-anal plate small, triangular. Cerci of female rounded and as long as the terminal segment of the abdomen, being about seven or eight times as long as the basal width, straight and quite uniformly tapering; cerci of male cylindrical, scarcely at all tapering, curved downward and inwards crossing each other as usual in both *Diapheromera* and *Bacunculus*; armed on the inner side at the base with a distinct but blunt projection, or spine. Operculum of male as in *tenuescens* but slightly more massive. Legs heavier and less attenuate than in *tenuescens*, the middle femora of the male distinctly heavier and thicker than the posterior ones and armed below near the apex with a stout, blunt curved spine; middle femora of the female with a small spine near the apex below, otherwise the legs of both sexes are unarmed.

Color probably brown to green, or yellowish green. The specimens before me were preserved in spirits and the colors are probably considerably changed.

Length, head, male, 3 mm., female, 4 mm.; pronotum, male, 2.5 mm., female, 3.25 mm.; mesonotum, male, 13 mm., female, 16 mm.; metanotum, male, 12 mm., female, 12 mm.; fore femora, male, 2 mm., female, 16 mm.; middle femora, male, 15 mm., female, 13 mm.; hind femora, male, 20 mm., female, 18 mm.; cerci, female, 3.75 mm.

One male, one female, Starke Co., Indiana (Blatchley).

Type No. 9099 U. S. Nat. Museum.

The females of this species are scarcely separable from those of *Diapheromera veliei* when unassociated with the opposite sex.